



Unmatched in the history of EUROMAT:

## FEMS EUROMAT 2007, Nuremberg, 10-13 September

The biennial series of FEMS EUROMAT conferences dates back to 1989, but based on the response to the call for papers this year's event promises to be the largest to date. In the words of the FEMS President, Prof. Robert Singer, "This variety of submitted papers is unmatched in the history of EUROMAT"

The Preliminary Programme is now online at [www.euromat2007.fems.org](http://www.euromat2007.fems.org) and features 2086 presentations, including 7 Plenary lectures, 39 Keynotes, 104 Highlights and 866 other oral presentations. There will also be 1070 Posters.

Major Topic Areas include:

- Functional and Nano Materials
- Biomaterials
- Structural Materials
- Processing

- Characterisation and Modelling
- Applications, and
- Education

Within each Topic Area will be separate Topics (20 in all). These will be subdivided into a total of 54 Symposia, each covering a specific aspect of the Topic.

This year's event has been organised by the two FEMS Member Societies in Germany, DGM and DVM, assisted by the Polish Society, PTM. As in 2003 and 2005, the Congress Manager is Peter Schepp of DGM.

The scientific programme has been organised by an international team of six Congress Chairs led by Francis Delannay (Belgium) assisted by Bill Clyne (UK), Krzysztof Kurzydowski (Poland), Pedro Portella (Germany), Ehrenfried Zschech (Ger-



Nuremberg Congress Centre

many) and Sybrand van der Zwaag (The Netherlands).

The venue of EUROMAT 2007 is the splendid new Congress Centre in Nuremberg, which can comfortably accommodate the eighteen parallel sessions that will run throughout the event, together with the accompanying Materials Science and Engineering Exhibition.

For those wishing to improve their knowledge of Materials and Process Selection, a short course led by Mike Ashby of the University of Cambridge will be available at a fee of €250

on Sunday 9 September, from 10 am to 5 pm.

Also on Sunday, at 6 pm in the Old City Hall, will be the Opening Ceremony, at which the FEMS Awards for 2007 will be presented (see below). A Plenary Lecture on "Technologies for Secure and Sustainable Energy" by Steve Koonin of British Petroleum, UK, will also be presented during the ceremony.

Registration fees for the full conference have been kept to the very reasonable levels of €790 and €570 for those from industry and universities, respectively, with two-day fees of €630 and €430. Students (up to 28 years old) and retired people can register for only €300. Members of FEMS Member Societies qualify for a 10% discount on these fees.



Albrecht Dürer's House in Nuremberg

The Conference Dinner will take place on Tuesday 11th September and two options will be available, a traditional banquet or a visit to the beer garden of a large brewery, for which additional fees of €70 and €40, respectively, will be levied.

Nuremberg is a beautiful city which combines modernity with history. It is a fitting venue for what promises to be the flagship event in this year's materials calendar.

Lecture by the European Materials Medallist 2007:

## Professor Subra Suresh

The European Materials Medal is the highest award available to FEMS. This year's winner is Subra Suresh, the Ford Professor of Materials Science and Engineering at Massachusetts Institute of Technology.

Subra Suresh received his Bachelor of Technology

degree with First Class Distinctions from The Indian Institute of Technology, Madras, in 1977, gaining an MSc from Iowa State University (1979) and DSc from MIT (1981). Following a Post Doctoral Research Fellowship at University of California, Berkeley, he became an Assistant Pro-

fessor at Brown University in 1983. He joined MIT in 1993 and was appointed to his present position in 2002. In a career spanning three decades he has made pioneering contributions to materials science, fracture mechanics, thin films and cell and molecular biomechanics.

At MIT he is recognised as a talented teacher and an inspiration to young students. He has also played a key role in setting up a laboratory devoted to Nanostructural Research Studies at MIT.

His Plenary Lecture at EUROMAT will be given at 10 am on Monday 10 September. It has the title: "Materials Science at the Intersections of Engi-



Subra Suresh

neering, Life Sciences and Medicine".

## Profile of a FEMS Member Society:

### GERMAN ASSOCIATION FOR MATERIALS RESEARCH AND TESTING

**The German Association for Materials Research and Testing (DVM) is a non-profit organisation which promotes knowledge transfer and networking in the wide area of materials research and structural testing.**

DVM provides a forum for intersectoral contact and knowledge exchange between science and technology, universities and industry and has a growing number of members operating in the automotive and supply industries, as system vendors, and in research establishments, universities and public authorities. 21st century technical innovation and the latest expertise meet more than 110 years of scientific and industrial tradition: DVM was founded in 1896.

DVM's working groups include:

- Fracture processes
- Service strength
- Biomaterials

- Reliability of mechatronic and adaptronic systems
- Scanning electron microscopy in materials testing
- Mechanical characterisation in small dimensions

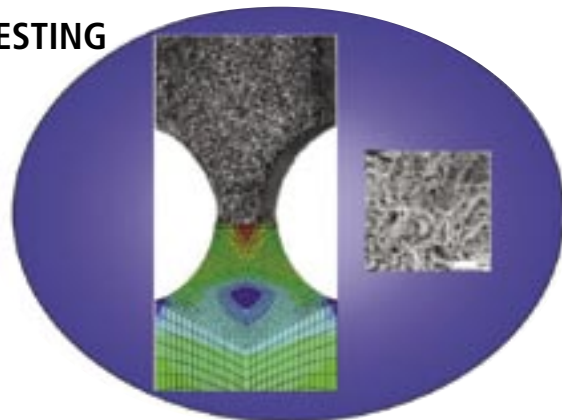
DVM conducts national and international conferences, workshops and seminars. Common topics are self-evidently the testing of materials, components and systems and their behaviour, fatigue and fracture mechanics and the various measuring and analytical methods. A holistic approach to a component's life from design via production and operation to the point of its disposal helps to improve materials as well as testing methods and facilities, aiming at an optimal choice of materials and procedures for practical application.

Thanks to first class contributors from science and industry, our events, a blend of lectures, posters

and exhibitions along with factory visits, are related to practice and always up-to-date. For further reference, we recommend the conference proceedings.

The German Association for Materials Research and Testing operates nationwide – and beyond the borders. In collaboration with the European organisations ESIS and FEMS, we have organised a multitude of successful international conferences. DVM awards, such as the Erich Siebel Medallion or the August Wöhler Medal are appreciated worldwide. DVM also encourages academic offspring.

Our newsletter, the *DVM-Nachrichten*, is published three or four times a year, spreading information from the world of materials research and testing. We report on the latest events, awards and activities of our working groups. In addition, well-known personalities comment on recent



*Fracture Processes – Experiment and Simulation*

issues from technology and society.

Everybody occupied with questions concerning component design or the research and testing of materials can join DVM. There is a suitable grade of membership for everyone: Corporate membership for companies, institutes and authorities, personal membership for all individuals, including retirees and students who benefit from especially low rates. They all can become involved in one of our working groups and use the opportunity to discover solutions for specific problems, helpful

suggestions or the latest trends. Besides, there is always a competent audience to whom scientific projects can be presented. DVM is what its members make it!

See our website [www.dvm-berlin.de](http://www.dvm-berlin.de) for the latest information on DVM membership, for programmes of our conferences and seminars and our large archive of publications.

Welcome to DVM!

Runhild Arnold

DVM

Unter den Eichen 87

12205 Berlin

Germany

E-mail:

[arnold@dvm-berlin.de](mailto:arnold@dvm-berlin.de)

### DATES FOR YOUR DIARY

**U-MRS**, the Ukrainian Materials Research Society, will be holding an international conference "**High Mat Tech 2007**" in Kiev, Ukraine, on **October 15-19, 2007**, for scientists from both Western and Eastern Europe. For further details contact: [chern@ipms.kiev.ua](mailto:chern@ipms.kiev.ua)

**IOMMM**, The Institute of Materials, Minerals and Mining (UK), has announced that "**Materials Congress 2008**" will be held at its new regional centre in Grantham on **13-15 May 2008**. This will be the sixth in this biennial series of major materials conferences. The programme will comprise Industry Masterclasses and Technical Symposia covering a wide range of subjects. For more information see the IOMMM web site: [www.iom3.org](http://www.iom3.org) and to register your interest, please e-mail [congress2008@iom3.org](mailto:congress2008@iom3.org).

Back Issues of FEMS News and much more information about the Federation, as well as forthcoming events and job opportunities, can be downloaded from the FEMS website at: [www.FEMS.org](http://www.FEMS.org)

#### FEMS news

Editorial Committee: Dr. P. McIntyre (IOMMM; Chairman), R. Kickuth. Managing editor: Rolf Kickuth.  
Production: Rubikon Agency, Germany. Please send comments and contributions to [Paul.McIntyre@iom3.org](mailto:Paul.McIntyre@iom3.org).  
Publisher: FEMS, 1 Carlton House Terrace, London SW1Y 5DB, UK © FEMS August 2007

#### FEMS news

is available at the FEMS website ([www.FEMS.org](http://www.FEMS.org)). It can be downloaded as a PDF file in screen resolution or as a ready-to-print PDF file. Thus FEMS news can be inserted in national materials science magazines.

### FEMS Member Societies

**Austria:** Austrian Society for Metallurgy and Materials (ASMET)  
e-mail: [asmet@unileoben.ac.at](mailto:asmet@unileoben.ac.at)

**Estonia:** Estonian Material Science Society (EMSS)  
e-mail: [enn@edu.ttu.ee](mailto:enn@edu.ttu.ee)

**Hungary:** Országos Magyar Bányászati és Kohászati Egyesület (OMBKE)  
e-mail: [ombke@mtesz.hu](mailto:ombke@mtesz.hu)

**Norway:** Norsk Metallurgisk Selskap (NMS)  
e-mail: [ca-kjels@online.no](mailto:ca-kjels@online.no)

**Slovenia:** Slovensko Društvo za Materiale (SDM)  
e-mail: [matjaz.torkar@imt.si](mailto:matjaz.torkar@imt.si)

**Benelux:** Benelux Métallurgie  
e-mail: [Isegers@ulb.ac.be](mailto:Isegers@ulb.ac.be)

**France:** Société Française de Métallurgie et de Matériaux (SF2M)  
e-mail: [sfmm@wanadoo.fr](mailto:sfmm@wanadoo.fr)

**Italy:** Associazione Italiana di Metallurgia (AIM)  
e-mail: [aim@aimnet.it](mailto:aim@aimnet.it)

**Poland:** Polskie Towarzystwo Materialoznawcze  
e-mail: [nmzieba@imim-pan.krakow.pl](mailto:nmzieba@imim-pan.krakow.pl)

**Spain:** Sociedad Española de Materiales (SEMAT)  
e-mail: [arana@fis.ucm.es](mailto:arana@fis.ucm.es)

**Czech Republic:** Czech Society for New Materials and Technologies (CSNMT)  
e-mail: [sperlink@aipecr.cz](mailto:sperlink@aipecr.cz)

**Germany:** Deutsche Gesellschaft für Materialkunde (DGM)  
e-mail: [pps@dgm.de](mailto:pps@dgm.de)

**Latvia:** Latvian Materials Research Society (LMRS)  
e-mail: [ilmars@nki.lv](mailto:ilmars@nki.lv)

**Portugal:** Sociedade Portuguesa de Materiais (SPM)  
e-mail: [manuela.oliveira@inet.pt](mailto:manuela.oliveira@inet.pt)

**Sweden:** Svenska Föreningen för Materialteknik (SFMT)  
e-mail: [sfmt@mse.kth.se](mailto:sfmt@mse.kth.se)

Metal Science Society of the Czech Republic (MSS)  
e-mail: [sima@met.mff.cuni.cz](mailto:sima@met.mff.cuni.cz)

Deutscher Verband für Materialforschung und -prüfung (DVM)  
e-mail: [office@dvm-berlin.de](mailto:office@dvm-berlin.de)

**Lithuania:** Lithuanian Materials Research Society (LMRS)  
e-mail: [vytautas.grivickas@ff.vu.lt](mailto:vytautas.grivickas@ff.vu.lt)

**Slovak Republic:** Society for New Materials and Technologies in Slovakia (SNMSTS)  
e-mail: [stefan.emmer@stuba.sk](mailto:stefan.emmer@stuba.sk)

**Ukraine:** The Ukrainian Materials Research Society (U-MRS)  
e-mail: [chern@ipms.kiev.ua](mailto:chern@ipms.kiev.ua)

**Denmark:** Danish Metallurgical Society  
e-mail: [palle.ranlov@uddeholm.dk](mailto:palle.ranlov@uddeholm.dk)

**Greece:** Hellenic Society for the Science and Technology of Condensed Matter  
e-mail: [egamari@ims.demokritos.gr](mailto:egamari@ims.demokritos.gr)

**The Netherlands:** Bond voor Materialenkennis (BvM)  
e-mail: [bvm@bureausprint.org](mailto:bvm@bureausprint.org)

**United Kingdom:** Institute of Materials, Minerals and Mining (IoM<sup>3</sup>)  
e-mail: [bernie.rickinson@iom3.org](mailto:bernie.rickinson@iom3.org)